



U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 SIXTH AVENUE
SEATTLE, WASHINGTON 98101

1.1.1

JUL 2 9 1987

REPLY TO
ATTN OF:

HW-113

Al Yenney
Yenney 4x4 Engine Repair
900 North Avery
Pasco, Washington 99301

Dear Mr. Yenney:

The U.S. Environmental Protection Agency (EPA), through Ecology and Environment, Inc. (E&E), collected a ground water sample from your drinking water well on March 18 and 20, 1987. The samples were analyzed for approximately 150 compounds on EPA's Target Compound List. According to EPA's regional toxicologist, the results show that the chemical concentrations are at levels which do not pose an unacceptable health risk.

Most of the substances tested for were not detected in your water sample. The substances that were detected are listed on the enclosed sheets.

The estimated iron value in the New Yenney well sample does exceed the secondary drinking water standard. Secondary standards are established for taste, odor, and other parameters of general aesthetic quality. These standards are not considered to be health related. The sodium value in both samples exceeds the EPA guidance level of 20,000 micrograms per liter (parts per billion). Persons with a genetic predisposition to hypertension, hypertensive patients, dialysis patients, and others on sodium restrictive diets should consult with their physician concerning these findings. Pregnant women should also consult with their physician.

If you have any questions, please telephone me at (206) 442-2712.

Sincerely,

Lori Cohen
Superfund Site Manager

Enclosures

cc: Stan Vendetti, Benton-Franklin County Health Department

USEPA SF



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SAMPLING RESULTS

Sample Location: Old Yenny Well
Pasco, Washington

Sample Date: March 20, 1987

Substance	Level Detected (ug/l *)	EPA Guideline or Standard (ug/l *)
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Barium	81 (estimate)	1000
Calcium	53650	No standard exists
Chromium	4	50
Cobalt	7	No standard exists
Copper	40	1000
Iron	42 (estimate)	300
Magnesium	21820	No standard exists
Manganese	5	50
Nickel	7	No standard exists
Potassium	7541	No standard exists
Selenium	1	10
Sodium	37760	20000
Thallium	7	No standard exists
Vanadium	17.1	No standard exists
Zinc	70	5000

* - The units for all the data presented here are: ug/l = micrograms per liter (parts per billion)

For the compounds for which there is currently no standard, EPA's regional toxicologist believes these levels do not pose an unacceptable health risk.

SAMPLING RESULTS

Sample Location: New Yenney Well
Pasco, Washington

Sample Date: March 18, 1987

Substance	Level Detected (ug/l *)	EPA Guideline or Standard (ug/l *)
Arsenic	6	50
Barium	85	1000
Cadmium	0.6	10
Calcium	65140	No standard exists
Chromium	8	50
Copper	15	1000
Iron *	398 (estimate)	300
Magnesium	21940	No standard exists
Manganese	4	50
Potassium	8122	No standard exists
Selenium	1	10
Sodium	37550	20000
Thallium	1	No standard exists
Vanadium	21.9	No standard exists
Zinc	300	5000

* - The units for all the data presented here are: ug/l = micrograms per liter (parts per billion)

For the compounds for which there is currently no standard, EPA's regional toxicologist believes these levels do not pose an unacceptable health risk.